Exhibit L-15
Appl. No. 09/558,421

Turnover

Project No. 06

86 Book No. Turnover TITLE Incorp pmol

From p. Cheng / Bentley

#	min		cpm	net	ratio
1	0		543.00	BKGD	(14)
2	5		650.00	110	
3	15		1014.00	476	24
4	30	V	1485.00	971	22
5	45		2627.00	2148	34
6	60		3187.00	2725	32
7			525.00	BKGD	
8			662.00	141	30
9		DV	948.00	436	33
10			1271.00	769	33
11			1677.00	1188	34
12			2340.00	1871	42
13			624.00	BKGD	
14			694.00	72	(32)
15		Tne	796.00	177	27
16			880.00	264	23
17			976.00	363	22
18			1110.00	501	22
19			805.00	BKGD	775 Ave
20			977.00	192	25
21		V	1409.00	467	23
22			1803.00	762	23
23			2832.00	1833	32
24			3299.00	1883	31
25			774.00	BKGD	
26			918.00	99	25
27		DV	1406.00	415	36
28			2277.00	1118	44
29			2989.00	1651	45
30			4085.00	2473	50
31			777.00	BKGD	
32			813.00	21	(12)
33		Tne	947.00	121	21
34			1136.00	263	24
35			1204.00	314	19
36			1631.00	633	26
37			919.00	BKGD	922 ave
38			1284.00	231	36
39			1754.00	530	35
40		V	2728.00	1150	39
41			3910.00	1903	42
42			5168.00	2704	46
43			924.00	BKGD	
44			1205.00	180	41
45		DV	1892.00	617	48
46			3234.00	1472	57
47			4572.00	2325	58
48			6365.00	3467	62
49			863.00	BKGD	
50			901.00	—	
51		Tne	953.00	20	(7)
52			1083.00	103	17
53			1085.00	103	13
54			1529.00	386	27
55			984.00	BKGD	
56			891.00		—
57		Tne	1067.00	92	29
58			1086.00	104	18
59			1336.00	264	27
60			1467.00	347	25

#		cpm	pmol
61		269.00	
62		7412.00	679
63		16953.00	1553
64	V	36825.00	3374
65		44610.00	4087
66		62771.00	5752
67		241.00	
68		3518.00	322
69		9506.00	871
70	DV	17320.00	1587
71		25050.00	2296
72		28643.00	2625
73		324.00	
74		1974.00	151
75		5340.00	489
76	Tne	9478.00	869
77		13880.00	1272
78		19753.00	1810
79		321.00	
80		8826.00	582
81		23029.00	1533
82	V	37324.00	2485
83		47661.00	3173
84		61758.00	4112
85		404.00	
86		4493.00	299
87	DV	12238.00	815
88		21497.00	1431
89		30491.00	2030
90		36800.00	2450
91		214.00	
92		2257.00	150
93	Tne	6671.00	444
94		12685.00	845
95		19429.00	1294
96		27534.00	1835
97		239.00	
98		7128.00	404
99	V	17335.00	981
100		32171.00	1821
101		45795.00	2592
102		56065.00	3174
103		318.00	
104		4474.00	253
105	DV	11839.00	670
106		19756.00	1119
107		29674.00	1680
108		36540.00	2069
109		261.00	
110		1566.00	74
111		4647.00	263
112	Tne	8879.00	503
113		12496.00	707
114		18327.00	1037
115		295.00	
116		1709.00	80
117		4261.00	224
118	Tne	8343.00	[illegible]
119		12504.00	708
120		18443.00	1048

To Page

Witnessed by me: [signature] Date 11/29/94

Invented by [signature]

Recorded by 11-9-94

ag N .__

dAMP BKGD

1. Cheng mix = 564 ave
2. Klentag mix = 785
3. Vent mix = 922

spot

Cheng $7582 \text{ cpm} \left(\frac{50\,\mu l \text{ Rxn vol}}{2\,\lambda \text{ spotted}}\right)\left(\frac{200}{195}\right)\left(\frac{1}{2500\ \text{dATP}}\right)\left(\frac{1}{4}\right) = 194 \frac{\text{cpm}}{\text{pmol}}$

Klentag $267 \frac{\text{cpm}}{\text{pmol}}$

Vent $314 \frac{\text{cpm}}{\text{pm}}$

$\frac{\text{pmol incorp}}{(200\,\mu l \text{ Rxn})} =$

$\frac{\text{CPM}}{\text{cpm/pmol}} \frac{(200)(20)}{(15\lambda)(15)}$

$\frac{\text{pmol turnover}}{200\,\mu l \text{ Rxn}} =$

$\frac{\text{CPM} - \text{BKGD}}{\text{cpm/pmol}} \left(\frac{200}{5}\right)\left(\frac{10}{2}\right)$

% turnover = $\frac{\text{pmol turnover}}{\text{pmol turnover} + \text{pmol incorp}}$

121 75821.00
122 104512.00

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sed & Understood by me,	Date	Invented by	Date
Andrea Polan	11/29/94	R cord d by	11-10-94

[redacted]